



11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209  
501-455-3233 Fax 501-455-6118

16 May 2011

Jim Fleer  
Oxford Environmental & Safety, Inc  
14348 Nieman Rd.  
Overland Park, KS 66221

RE: Arkwood Stormwater Sample(s)  
SDG Number: 1105151

Enclosed are the results of analyses for samples received by the laboratory on 10-May-11 11:21. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Preservation Confirmed	✓
Received On Ice	✓
Temperature on Receipt	4.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James". The signature is written in a cursive, flowing style.

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Norma James  
President

16 May 2011



Jim Fleer  
Oxford Environmental & Safety, Inc  
14348 Nieman Rd.  
Overland Park, KS 66221  
Project: Arkwood Stormwater Sample(s)

Date Received: 10-May-11 11:21

#### ANALYTICAL RESULTS

Lab Number: 1105151-01  
Sample Name: Storm - 310  
Date/Time Collected: 5/2/11 16:00  
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	11.0	E2	5/14/11 13:19	A105156	8270D
2,4,6-Tribromophenol [surr]	%	88.9		5/14/11 13:19	A105156	8270D
2-Fluorophenol [surr]	%	38.2		5/14/11 13:19	A105156	8270D
Phenol-d5 [surr]	%	25.2		5/14/11 13:19	A105156	8270D

#### ANALYTICAL RESULTS

Lab Number: 1105151-02  
Sample Name: Storm - 271  
Date/Time Collected: 5/3/11 15:00  
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	8.92	E2	5/14/11 14:04	A105156	8270D
2,4,6-Tribromophenol [surr]	%	90.5		5/14/11 14:04	A105156	8270D
2-Fluorophenol [surr]	%	39.2		5/14/11 14:04	A105156	8270D
Phenol-d5 [surr]	%	27.8		5/14/11 14:04	A105156	8270D

#### ANALYTICAL RESULTS

Lab Number: 1105151-03  
Sample Name: Storm - 156  
Date/Time Collected: 5/4/11 9:00  
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	10.8		5/14/11 14:50	A105156	8270D
2,4,6-Tribromophenol [surr]	%	83.6		5/14/11 14:50	A105156	8270D
2-Fluorophenol [surr]	%	41.7		5/14/11 14:50	A105156	8270D
Phenol-d5 [surr]	%	26.3		5/14/11 14:50	A105156	8270D

#### ANALYTICAL RESULTS

Lab Number: 1105151-04  
Sample Name: Storm - 123  
Date/Time Collected: 5/4/11 19:00  
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	15.8		5/14/11 15:35	A105156	8270D
2,4,6-Tribromophenol [surr]	%	98.1		5/14/11 15:35	A105156	8270D
2-Fluorophenol [surr]	%	33.2		5/14/11 15:35	A105156	8270D
Phenol-d5 [surr]	%	23.9		5/14/11 15:35	A105156	8270D

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**ANALYTICAL RESULTS**

Lab Number: 1105151-05  
Sample Name: Storm - 83  
Date/Time Collected: 5/5/11 13:00  
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	18.0		5/14/11 16:21	A105156	8270D
2,4,6-Tribromophenol [surr]	%	93.0		5/14/11 16:21	A105156	8270D
2-Fluorophenol [surr]	%	42.7		5/14/11 16:21	A105156	8270D
Phenol-d5 [surr]	%	25.0		5/14/11 16:21	A105156	8270D

**QUALITY CONTROL RESULTS**

**Semivolatiles - Quality Control**  
**Analyzed: 13-May-11 12:53 By: TB**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch A105156 - 3550B: Modified****Blank (A105156-BLK1)**

Prepared: 11-May-11 Analyzed: 13-May-11

Pentachlorophenol	ND	5.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	29.5		"	40.0		73.7	39.2-127			
Surrogate: 2-Fluorophenol	18.2		"	40.0		45.4	10.7-76.6			
Surrogate: Phenol-d5	14.6		"	40.0		36.6	13-62.4			

**LCS (A105156-BS1)**

Prepared: 11-May-11 Analyzed: 13-May-11

Pentachlorophenol	30.0	10.0	ug/L	40.0		75.0	65.4-117			
Surrogate: 2,4,6-Tribromophenol	37.0		"	40.0		92.6	39.2-127			
Surrogate: 2-Fluorophenol	23.5		"	40.0		58.8	10.7-76.6			
Surrogate: Phenol-d5	21.1		"	40.0		52.8	13-62.4			

**Matrix Spike (A105156-MS1)**

Source: 1105131-01

Prepared: 11-May-11 Analyzed: 13-May-11

Pentachlorophenol	29.5	10.0	ug/L	40.0	ND	73.7	49.6-126			
Surrogate: 2,4,6-Tribromophenol	35.2		"	40.0		87.9	39.2-127			
Surrogate: 2-Fluorophenol	22.5		"	40.0		56.3	10.7-76.6			
Surrogate: Phenol-d5	19.9		"	40.0		49.7	13-62.4			

**Matrix Spike Dup (A105156-MSD1)**

Source: 1105131-01

Prepared: 11-May-11 Analyzed: 13-May-11

Pentachlorophenol	35.0	10.0	ug/L	40.0	ND	87.6	49.6-126	17.2	30	
Surrogate: 2,4,6-Tribromophenol	36.7		"	40.0		91.7	39.2-127			
Surrogate: 2-Fluorophenol	23.8		"	40.0		59.5	10.7-76.6			
Surrogate: Phenol-d5	20.8		"	40.0		52.1	13-62.4			

**QUALIFIER(S)**

\*E2: Estimated Result; Analyzed Outside of Holding Time

16 May 2011



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All Analysis performed according to EPA approved methodology when available:  
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition.  
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

A handwritten signature in blue ink, reading "Norma James", is positioned above a horizontal line.

Reviewed by:

Norma James  
President

Jim Fleer  
Oxford Environmental & Safety, Inc  
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Project: Arkwood Stormwater Sample(s)

Date Received: 10-May-11 11:21

## CHAIN OF CUSTODY FORM(S)



**11701 Interstate 30, Bldg. 1, Ste. 115  
Little Rock, AR 72209  
PHONE: 501-455-3233  
FAX: 501-455-6118**

## CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			Project Description			Turnaround Time			Preservation Codes:								
<b>Oxford Environmental &amp; Safety, Inc.</b>			Arkwood Stormwater Sample(s)			24 Hour			1. Cool, 4 Degrees Centigrade			4. Thiosulfate for Dechlorination					
14348 Nieman Rd.						48 Hour			2. Sulfuric Acid ( $H_2SO_4$ ), pH < 2			5. Hydrochloric Acid(HCl)					
Overland Park KS 66221			<b>Reporting Information</b>			72 Hour			3. Nitric Acid ( $HNO_3$ ), pH < 2			6. Sodium Hydroxide (NaOH), pH > 12					
Attn: Jim Fleer			Telephone: 913-706-3422			Routine (5 Day)			<b>TEST PARAMETERS</b>						Bottle Type Code		
			Email: jfleer@oxfordeands.com			Preservative Code:			1						G = Glass, P = Plastic		
						Bottle Type:			GA						V = Septum, A = Air		
			Robert Richman			Pentachlorophenol (827QD)									Arkansas Analytical Work Order Number:  1105151-		
Sampler(s) Signature			Sampler(s) Printed														
Field Number	SAMPLE COLLECTION Date/s Time/s		Grab	Comp	Number of Bottles				Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION							
	5/2/2011	1600	X		1				Water	Storm - 310	X						01
	5/5/2011	15:00	X		1				Water	Storm - 271	X						02
	5/4/2011	9:00	X		1				W	Storm - 156	X						03
	5/4/2011	19:00	X		1				W	Storm - 123	X						04
	5/5/2011	13:00	X		1				W	Storm - 83	X						05
1. Relinquished by: (Signature) 			Date/Time 5/9/2011 15:00			2. Received by: (Signature) UPS			SAMPLE CONDITION UPON RECEIPT IN LAB			REMARKS / SAMPLE COMMENTS					
3. Relinquished by: (Signature) UPS			Date/Time 5/10/11, 1121			4. Received by lab: (Signature) Sydney James			1. CUSTODY SEALS: Yes No			MS/MSD Collected from:					
									2. CONTAINERS CORRECT: Yes No								
									3. COC/LABELS AGREE: Yes No								
									4. PRESERVATION CONFIRMED: Yes No								
									5. RECEIVED ON ICE: Yes No								
									6. TEMPERATURE ON RECEIPT: 4°C								
									FOR COMPLETION BY LAB ONLY								